

# BIOCHIMICA ET BIOPHYSICA ACTA

Founded in 1947 by H.G.K. Westenbrink, Managing Editor, 1947-1964

**HONORARY EXECUTIVE EDITOR: E.C. Slater (Southampton, UK)**

**EDITOR-IN-CHIEF: Peter C. van der Vliet (Utrecht, The Netherlands)**

## EXECUTIVE EDITORS:

*Bioenergetics* (including *Reviews on Bioenergetics*): **P.R. Rich** (London, UK) and **P. Brzezinski** (Stockholm, Sweden)  
*Biomembranes* (including *Reviews on Biomembranes*): **A.G. Lee** (Southampton, UK) and **P.L. Yeagle** (Storrs, CT, USA)  
*Molecular and Cell Biology of Lipids*: **G.M. Carman** (New Brunswick, NJ, USA) and **F. Spener** (Münster, Germany)  
*Proteins and Proteomics*: **A. Fink** (Santa Cruz, CA, USA), **Y. Lindqvist** (Stockholm, Sweden) and **F. Lottspeich** (Martinsried bei München, Germany)  
*Molecular Cell Research*: **E.L.F. Holzbaur** (Philadelphia, PA, USA) and **N. Pfanner** (Freiburg, Germany)  
*Gene Structure and Expression*: **C.L. Peterson** (Worcester, MA, USA) and **P.C. van der Vliet** (Utrecht, The Netherlands)  
*Molecular Basis of Disease*: **P.E. Fraser** (Toronto, ON, Canada) and **B.A. Oostra** (Rotterdam, The Netherlands)  
*General Subjects*: **C.G. Gahmberg** (Helsinki, Finland) and **S.S. Krag** (Baltimore, MD, USA)  
*Reviews on Cancer*: **N.C. Jones** (Manchester, UK) and **G. Evan** (San Francisco, CA, USA)

L.B. Agellon (Edmonton, AB, Canada)  
 A.D. Albert (Storrs, CT, USA)  
 J.M. Allen (London, UK)  
 T.M. Allen (Edmonton, AB, Canada)  
 K. Altendorf (Osnabrück, Germany)  
 R. Apweiler (Cambridge, UK)  
 P.A. Baeuerle (Martinsried, Germany)  
 C. Balny (Montpellier, France)  
 R. Beckmann (Berlin, Germany)  
 D.J. Benos (Birmingham, AL, USA)  
 P. Bernardi (Padua, Italy)  
 R. Bernards (Amsterdam, The Netherlands)  
 A.J.M. Berns (Amsterdam, The Netherlands)  
 H. Beug (Vienna, Austria)  
 C. Birchmeier (Berlin, Germany)  
 T. Bisseling (Wageningen, The Netherlands)  
 C. Borner (Freiburg, Germany)  
 J.L. Bos (Utrecht, The Netherlands)  
 I. Braakman (Utrecht, The Netherlands)  
 U. Brandt (Frankfurt am Main, Germany)  
 R.J. Bridges (Pittsburgh, PA, USA)  
 D.D. Busath (Provo, UT, USA)  
 P.C. Calder (Princeton, NJ, USA)  
 J.L. Carey (Princeton, NJ, USA)  
 F. Carrière (Marseille, France)  
 G. Cevc (München, Germany)  
 A.H. Chishti (Boston, MA, USA)  
 S. Cockcroft (London, UK)  
 R. Cogdell (Glasgow, UK)  
 N.H. Colburn (Frederick, MD, USA)  
 P.F. Cook (Norman, OK, USA)  
 C. Cooper (Colchester, UK)  
 B. de Crombrughe (Houston, TX, USA)  
 J.P. Dekker (Amsterdam, The Netherlands)  
 B. Desvergne (Lausanne, Switzerland)  
 K.T. Douglas (Manchester, UK)  
 G.F. Draetta (Milan, Italy)  
 D.H. Ellison (Portland, OR, USA)  
 T. Endo (Tokyo, Japan)  
 R.M. Epand (Hamilton, ON, Canada)  
 J. Fidy (Budapest, Hungary)  
 A. Fontana (Padua, Italy)  
 J.-C. Fruchart (Lille, France)  
 J.T. Gallagher (Manchester, UK)

R. Geyer (Giessen, Germany)  
 T.E. Golde (Jacksonville, FL, USA)  
 F.M. Goñi (Bilbao, Spain)  
 Y. Goto (Osaka, Japan)  
 L.I. Grossman (Detroit, MI, USA)  
 A.P. Halestrap (Bristol, UK)  
 J.J. Harding (Oxford, UK)  
 J. Heberle (Jülich, Germany)  
 D. Hoekstra (Groningen, The Netherlands)  
 G. Hübner (Halle/Saale, Germany)  
 R.C. Hughes (Mill Hill, UK)  
 T. Hunter (La Jolla, CA, USA)  
 M. Ikeda-Saito (Sendai, Japan)  
 A.N. Imbalzano (Worcester, MA, USA)  
 T. Iwatsubo (Tokyo, Japan)  
 H.R. de Jonge (Rotterdam, The Netherlands)  
 R.L. Juliano (Chapel Hill, NC, USA)  
 W. Junge (Osnabrück, Germany)  
 C. Kaltschmidt (Witten, Germany)  
 S.E. Kearsey (Oxford, UK)  
 J.A. Killian (Utrecht, The Netherlands)  
 K. Kimata (Aichi, Japan)  
 K.H. Kinne (Dortmund, Germany)  
 M. Kiso (Gifu, Japan)  
 W.N. Konings (Groningen, The Netherlands)  
 J.M. Kooter (Amsterdam, The Netherlands)  
 I. Kudo (Tokyo, Japan)  
 W. Lamers (Amsterdam, The Netherlands)  
 T. Levade (Toulouse, France)  
 R. Lüthmann (Göttingen, Germany)  
 G.I. Makhatadze (Lubbock, TX, USA)  
 B. Mannervik (Uppsala, Sweden)  
 C.J. Marshall (London, UK)  
 W.F. Marzluff (Chapel Hill, NC, USA)  
 F. McCormick (San Francisco, CA, USA)  
 M.G. McNamee (Davis, CA, USA)  
 J. Moody (Plymouth, UK)  
 C.P. Moran Jr. (Atlanta, GA, USA)  
 S. Nagata (Osaka, Japan)  
 P.E. Nielsen (Copenhagen, Denmark)  
 E.A. Nigg (Martinsried bei München, Germany)  
 B. Nordén (Gothenburg, Sweden)  
 J.F. Oram (Seattle, WA, USA)  
 N. Osheroff (Nashville, TN, USA)

R.P. Oude Elferink (Amsterdam, The Netherlands)  
 E. Padan (Jerusalem, Israel)  
 S. Parthasarathy (Atlanta, GA, USA)  
 M. Peters-Golden (Ann Arbor, MI, USA)  
 D.W. Pettigrew (College Station, TX, USA)  
 J. Philo (Thousand Oaks, CA, USA)  
 J.J.H.M. de Pont (Nijmegen, The Netherlands)  
 T. Pozzan (Padua, Italy)  
 N.C. Price (Glasgow, UK)  
 U.R. Rapp (Würzburg, Germany)  
 N. Ridgway (Halifax, NS, Canada)  
 J.-L. Rigaud (Paris, France)  
 G.T. Robillard (Groningen, The Netherlands)  
 S. Rose-John (Kiel, Germany)  
 E. Rozengurt (Los Angeles, CA, USA)  
 F. Sachs (Buffalo, NY, USA)  
 M.S.P. Sansom (Oxford, UK)  
 G. Schmitz (Regensburg, Germany)  
 H.H. Schulz (New York, NY, USA)  
 K. Schulze-Osthoff (Münster, Germany)  
 J.M. Seddon (London, UK)  
 R. Serrano (Valencia, Spain)  
 D.L. Severson (Calgary, AB, Canada)  
 T. Shimizu (Tokyo, Japan)  
 R. Simpson (Parkeville, Australia)  
 H. Sjöström (Copenhagen, Denmark)  
 S.T. Smale (Los Angeles, CA, USA)  
 M.A. Smith (Cleveland, OH, USA)  
 W.D. Stein (Jerusalem, Israel)  
 B. Svensson (Copenhagen, Denmark)  
 G. Tigyi (Memphis, TN, USA)  
 K.F. Tipton (Dublin, Ireland)  
 J. Travis (Athens, GA, USA)  
 L.-C. Tsui (Toronto, ON, Canada)  
 V. Turk (Ljubljana, Slovenia)  
 M.H. Vos (Palaiseau, France)  
 K.H. Vousden (Frederick, MD, USA)  
 E. Wahle (Halle/Saale, Germany)  
 D. Wemmer (Berkeley, CA, USA)  
 R. Wetzel (Knoxville, TN, USA)  
 G.R. Willsky (Buffalo, NY, USA)  
 D.C. Wilton (Southampton, UK)  
 P. Workman (Sutton, UK)  
 R.F.A. Zwaal (Maastricht, The Netherlands)